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Application Number 10/510151 Filing Date May 30, 2006 First Named Inventor Kia Silverbrook Art Unit 2853 Julian D Huffman Examiner Name Attorney Docket Number YU181NPUS

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		U. S. PATENT		
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	US 2002/024569 AT		Silverbrook, Kia	
/JH/	US 4370663 A	Jan 25 1983	Marham et al	
/JH/	US 4475113 A	Oct 2 1984	Lee et al	
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/JH/		JP 03-065348 A	Mar 20 1991	Matsushita Elec Ind	Co Ltd	$\checkmark$	
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STATEMENT BY APPLICANT			PPLICANT	First Named Inventor	Kia Silverbrook	
	(Use as many she	ote ae n	ecessary)	Art Unit	2853	
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	ATAKA, MANABU et al. "Fabrication and Operation of Polymide Bimorph Actuators for Ciliary Motion System" Journal of Microelectromechanical Systems, US, IEEE Inc. New York, Vol. 2, no. 4, 1 December 1939, pp 146-150, XP000443412, ISSN 1057-7157.	1
	NOWOROLSKI J M ET AL: "Process for in-plane and out-of-plane single-crystal-silicon thermal microactuators" Sensors And Actuators A, Ch. Bisovier Sequola S.A., Lausane, Vol 55, no. 1, 15 July 1996 (1996-07-15), Pages 65-69, XPD4077979.	1
	YAMAGATA, YUTAKA et al, "A Micro Mobile Mechanism Using Thermai Expansion and its Theoretical Analysis". Proceedings of the workshop on micro electro mechanical systems (MEMS), US, Naw York, IEEE. Vol. Workshop 7, 25 January 1994, pp 142–147, XP000524040, ISBN: 0-7005-1634-X.	1
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